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L2: Entry 2 of 2 File: USPT Feb 21, 1995

US-PAT-NO: 5392351
DOCUMENT-IDENTIFIER: US 5392351 A

TITLE: Electronic data protection system

DATE-ISSUED: February 21, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hasebe; Takayuki	Kawasaki	N/A	N/A	JPX
Akiyama; Ryota	Kawasaki	N/A	N/A	JPX
Yoshioka; Makoto	Kawasaki	N/A	N/A	JPX

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Fujitsu Limited	Kanagawa	N/A	N/A	JPX	03

APPL-NO: 8/ 031339
DATE FILED: March 15, 1993

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
JP	4-058048	March 16, 1992

INT-CL: [6] H04L 9/32
US-CL-ISSUED: 380/4; 380/25
US-CL-CURRENT: 705/51; 380/277, 713/193
FIELD-OF-SEARCH: 380/4, 380/25

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected Search ALL

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	4683553	July 1987	Mollier	380/4
☐	4757534	July 1988	Matyas et al.	380/25
☐	4850017	July 1989	Matyas, Jr. et al.	N/A
☐	5010571	April 1991	Katznelson	380/4
☐	5058162	October 1991	Santon et al.	380/4 X
☐	5065429	November 1991	Lang	380/4 X

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
0114522	August 1984	EPX	
0268139	May 1988	EPX	
3-83132	April 1991	JPX	
88-02202	March 1988	WOX	

OTHER PUBLICATIONS

Computer vol. 17, No. 4, (Apr. 1984) Long Beach, Calif., USA; Combatting Software Piracy by Encryption and Key Management.

ART-UNIT: 222
PRIMARY-EXAMINER: Barron, Jr.; Gilberto
ATTY-AGENT-FIRM: Nikaido, Marmelstein, Murray & Oram

ABSTRACT:

An electronic data protection system for protecting electronic data from illegal copying by a third party, includes: a storage medium for storing an encrypted electronic data, a medium number and encrypted permission information; a vendor computer having a personal key generating unit for generating a medium key based on the medium number, an electronic data decrypting key, and an encrypting unit for encrypting the electronic data decrypting key based on the medium key to generate the encrypted permission information; and a user computer having a personal key generating unit for generating a medium key based on the medium number, a decrypting unit for decrypting the encrypted permission information based on the medium key to generate the electronic data decrypting key which is the same as the electronic data decrypting key of the vendor computer, and a decrypting unit for decrypting the encrypted electronic data based on the electronic data decrypting key to generate a plain text electronic data.

10 Claims, 22 Drawing figures

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L2: Entry 1 of 2 File: USPT Nov 3, 1998

US-PAT-NO: 5832083
DOCUMENT-IDENTIFIER: US 5832083 A

TITLE: Method and device for utilizing data content

DATE-ISSUED: November 3, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Iwayama; Noboru	Kawasaki	N/A	N/A	JPX
Torii; Naoya	Kawasaki	N/A	N/A	JPX
Hasebe; Takayuki	Kawasaki	N/A	N/A	JPX
Takenaka; Masahiko	Kawasaki	N/A	N/A	JPX
Matsuda; Masahiro	Kawasaki	N/A	N/A	JPX

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Fujitsu Limited	Kawasaki	N/A	N/A	JPX	03

APPL-NO: 8/ 509285
DATE FILED: July 31, 1995

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
JP	6-252623	September 9, 1994

INT-CL: [6] H04K 1/00
US-CL-ISSUED: 380/4; 380/25
US-CL-CURRENT: 705/51; 380/239, 380/241, 380/281
FIELD-OF-SEARCH: 380/4, 380/25, 380/21

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected Search ALL

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	4247106	January 1981	Jeffers et al.	N/A
☐	4439670	March 1984	Bassett et al.	N/A
☐	4446519	May 1984	Thomas	N/A
☐	4484217	November 1984	Block et al.	N/A
☐	4558176	December 1985	Arnold et al.	N/A
☐	4590557	May 1986	Lillie	N/A
☐	4646234	February 1987	Tolman et al.	N/A
☐	4649510	March 1987	Schmidt	N/A
☐	4654799	March 1987	Ogaki et al.	N/A
☐	4658093	April 1987	Hellman	N/A
☐	4672554	June 1987	Ogaki	N/A
☐	4674055	June 1987	Ogaki et al.	N/A
☐	4740890	April 1988	William	N/A
☐	4780905	October 1988	Cruts et al.	N/A
☐	4787050	November 1988	Suzuki	N/A
☐	4816653	March 1989	Anderl et al.	N/A
☐	4816654	March 1989	Anderl et al.	N/A
☐	4817140	March 1989	Chandra et al.	N/A
☐	4864516	September 1989	Gaither et al.	N/A
☐	4879645	November 1989	Tamada et al.	N/A
☐	4949257	August 1990	Orbach	N/A
☐	4999806	March 1991	Chernow et al.	N/A
☐	5006849	April 1991	Baarman et al.	N/A
☐	5008814	April 1991	Mathur	N/A
☐	5014234	May 1991	Edwards, Jr.	N/A
☐	5016009	May 1991	Whiting et al.	N/A
☐	5051822	September 1991	Rhoades	N/A
☐	5056009	October 1991	Mizuta	N/A
☐	5103392	April 1992	Mori	N/A
☐	5103476	April 1992	Waite et al.	N/A
☐	5166886	November 1992	Molnar et al.	N/A
☐	5181107	January 1993	Rhoades	N/A
☐	5199066	March 1993	Logan	N/A
☐	5214697	May 1993	Saito	N/A
☐	5222134	June 1993	Waite et al.	N/A
☐	5245330	September 1993	Wassink	N/A
☐	5267171	November 1993	Suzuki et al.	N/A

OTHER PUBLICATIONS

Japanese Patent Laid-Open Publication No. 57-127249, Aug. 7, 1982 (equivalent to Japanese patent Publication No. 61-22815).
Japanese Patent Laid-Open Publication No. 5-89363, Apr. 9, 1993.
Japanese Patent Laid-Open Publication No. 5-266575, Oct. 15, 1993.
Japanese Patent Laid-Open Publication No. 5-298085, Nov. 12, 1993.
Japanese Patent Laid-Open Publication No. 6-95871, Apr. 8, 1994.

ART-UNIT: 222
PRIMARY-EXAMINER: Cain; David G.
ATTY-AGENT-FIRM: Staas & Halsey

ABSTRACT:

The present invention provides a data content utilizing device having data storing section for storing information obtained by encoding data contents and content identification information specifying the data contents, a utilization permitting device for generating utilization permission information used to decode data contents desired by a user and information converting section for loading data contents requested by the user from the data storing section and decoding the data contents only in the case where utilization permission information is generated by the utilization permitting device.

43 Claims, 21 Drawing figures

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L1: Entry 3 of 3 File: USPT Dec 15, 1992

US-PAT-NO: 5171755
DOCUMENT-IDENTIFIER: US 5171755 A

TITLE: Emulsions of highly fluorinated organic compounds

DATE-ISSUED: December 15, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kaufman; Robert J.	University City	MO		
Richard; Thomas J.	University City	MO		

US-CL-CURRENT: 514/749; 514/759, 514/832, 514/833, 514/937, 514/975

ABSTRACT:

Improved emulsions of highly fluorinated organic compounds. The emulsions comprise a highly fluorinated organic compound, an oil, that is not substantially surface active and not significantly water soluble, and a surfactant. They are characterized by a well-defined relationship in the relative amounts of the three components.

16 Claims, 1 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 1

WEST

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L1: Entry 1 of 3 File: USPT Nov 11, 1997

US-PAT-NO: 5687331
DOCUMENT-IDENTIFIER: US 5687331 A
**** See image for Certificate of Correction ****

TITLE: Method and system for displaying an animated focus item

DATE-ISSUED: November 11, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Volk; Patrick M.	Kirkland	WA		
Robin; Michael Breed	Redmond	WA		
Thorne, III; Edwin	Seattle	WA		
Kapell; JoGene	Bellevue	WA		

US-CL-CURRENT: 345/840; 345/823, 345/861, 345/962, 345/977

ABSTRACT:

A viewer interface is disclosed for use in an interactive television network operative for providing an animated focus item in association with a control item to indicate that the control item is in a state responsive to commands from a user input device. An "animation" is any form of highlighting that is non-static, including but not limited to flashing, varying illumination, varying size, varying shape, varying position, varying color, varying display components, a moving and/or changing cartoon type image, a video image, a sound track, or a combination of these elements. Selection of the control item to receive focus and selection of options presented by control items having focus are accomplished by viewer interaction with the remote control unit, and such selections do not require a keyboard or mouse to indicate the viewer's desire to change the focus from one control item to another or to select an option. The user interface is also suitable for use in a general computing environment as well as in an interactive television environment.

77 Claims, 30 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 21

WEST

End of Result Set

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L2: Entry 1 of 1 File: USPT Oct 21, 1997

US-PAT-NO: 5680452
DOCUMENT-IDENTIFIER: US 5680452 A

TITLE: Distributed cryptographic object method

DATE-ISSUED: October 21, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Shanton; M. Greg	Manassas	VA		

US-CL-CURRENT: 713/167; 340/5.74, 380/269, 380/28

ABSTRACT:

A system for increasing the security of a computer system, while giving an individual user a large amount of flexibility and power. To give users the most power and flexibility, a standard object that has the capability to embed objects is used. To allow users even more flexibility, a standard object tracking mechanism is used that allows users to distribute to other individuals multiple encrypted objects embedded in a single encrypted object. By effecting compartmentalization of every object by label attributes and algorithm attributes, multi-level multimedia security is achieved. Label attributes are used to restrict access to objects based on location, group, or other criteria and may specify personal access. Access type, such as read-only, write-only, and print-only may be specified. Nested embedded objects may be accessed directly through selection from a header array.

17 Claims, 8 Drawing figures
Exemplary Claim Number: 14
Number of Drawing Sheets: 8

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L1: Entry 2 of 3 File: USPT Sep 30, 1997

US-PAT-NO: 5673401
DOCUMENT-IDENTIFIER: US 5673401 A

TITLE: Systems and methods for a customizable sprite-based graphical user interface

DATE-ISSUED: September 30, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Volk; Patrick Michael	Kirkland	WA		
Robin; Michael Breed	Redmond	WA		
Thorne, III; Edwin	Seattle	WA		
Kapell; JoGene	Bellevue	WA		

US-CL-CURRENT: 725/139; 345/763, 345/765, 345/853, 725/131, 725/133, 725/60, 725/61, 725/87

ABSTRACT:

An object-oriented system for generating and displaying control items that allow users of an interactive network to recognize and select control functions via a graphical user interface. The manipulation of the control items on a display screen is linked to a set-top terminal associated with the interactive network. The control items, which can be visible or audible, are associated with control objects. Control objects are arranged in a hierarchy, and can contain one or more child control objects. Attributes of a child control object are inherited from an ancestor control object. A control item can be graphically manipulated independently by drawing the control item into its own sprite, or can be manipulated by drawing the control item into the sprite of a parent. The system provides building blocks of control elements that can be composed and customized to produce versatile interfaces for applications and content.

28 Claims, 24 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 15